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* * * * * * * * *   Welcome to STN International   * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule – N. America
 NEWS 2 OCT 02   CA/CAplus enhanced with pre-1907 records from Chemisches
                   Zentralblatt
 NEWS 3 OCT 19   BEILSTEIN updated with new compounds
 NEWS 4 NOV 15   Derwent Indian patent publication number format enhanced
 NEWS 5 NOV 19   WPIX enhanced with XML display format
 NEWS 6 NOV 30   ICSD reloaded with enhancements
 NEWS 7 DEC 04   LINPADOCDB now available on STN
 NEWS 8 DEC 14   BEILSTEIN pricing structure to change
 NEWS 9 DEC 17   USPATOLD added to additional database clusters
 NEWS 10 DEC 17   IMSDRUGCONF removed from database clusters and STN
 NEWS 11 DEC 17   DGENE now includes more than 10 million sequences
 NEWS 12 DEC 17   TOXCENTER enhanced with 2008 MeSH vocabulary in
                   MEDLINE segment
 NEWS 13 DEC 17   MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
 NEWS 14 DEC 17   CA/CAplus enhanced with new custom IPC display formats
 NEWS 15 DEC 17   STN Viewer enhanced with full-text patent content
                   from USPATOLD
 NEWS 16 JAN 02   STN pricing information for 2008 now available
 NEWS 17 JAN 16   CAS patent coverage enhanced to include exemplified
                   prophetic substances
 NEWS 18 JAN 28   USPATFULL, USPAT2, and USPATOLD enhanced with new
                   custom IPC display formats
 NEWS 19 JAN 28   MARPAT searching enhanced
 NEWS 20 JAN 28   USGENE now provides USPTO sequence data within 3 days
                   of publication
 NEWS 21 JAN 28   TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS 22 JAN 28   MEDLINE and LMEDLINE reloaded with enhancements
 NEWS 23 FEB 08   STN Express, Version 8.3, now available
 NEWS 24 FEB 20   PCI now available as a replacement to DPCI
 NEWS 25 FEB 25   IFIREF reloaded with enhancements
 NEWS 26 FEB 25   IMSPRODUCT reloaded with enhancements
 NEWS 27 FEB 29   WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                   U.S. National Patent Classification

 NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

 NEWS HOURS   STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN   Welcome Banner and News Items
 NEWS IPC8   For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:09:23 ON 30 MAR 2008

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  2.94          2.94

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
      AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 12:17:26 ON 30 MAR 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s Dehalococcoides and remediat?
          2    FILE AGRICOLA
          1    FILE ANABSTR
          2    FILE ANTE
          5    FILE AQUALINE
          2    FILE AQUASCI
          3    FILE BIOENG
         19    FILE BIOSIS
          8    FILE BIOTECHABS
          8    FILE BIOTECHDS
          2    FILE BIOTECHNO
         13    FILE CABA
        154    FILE CAPLUS
          4    FILE CEABA-VTB
          3    FILE DGENE
          6    FILE DISSABS
         10    FILE EMBASE
         13    FILE ESBIOBASE
          3    FILE GENBANK
          3    FILE IFIPAT
          3    FILE LIFESCI
          9    FILE MEDLINE
          8    FILE PASCAL
          2    FILE PROMT
         16    FILE SCISEARCH
         45    FILE TOXCENTER
         19    FILE USPATFULL
          5    FILE USPAT2
          5    FILE WATER
          2    FILE WPIDS
  68 FILES SEARCHED...
          2    FILE WPINDEX

  30 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L1   QUE DEHALOCOCCOIDES AND REMEDIAT?
```

```
=> s l1 and halogen?
            1    FILE ANABSTR
            1    FILE BIOENG
            1    FILE BIOSIS
            2    FILE BIOTECHABS
            2    FILE BIOTECHDS
           10    FILE CAPLUS
            1    FILE CEABA-VTB
            3    FILE DGENE
            2    FILE EMBASE
            2    FILE ESBIOBASE
            3    FILE IFIPAT
            1    FILE LIFESCI
            1    FILE MEDLINE
            2    FILE PASCAL
            3    FILE SCISEARCH
            4    FILE TOXCENTER
           13    FILE USPATFULL
            4    FILE USPAT2
     64 FILES SEARCHED...
            2    FILE WPIDS
            2    FILE WPINDEX

     20 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L2   QUE L1 AND HALOGEN?

=> s L2 and BAV1
            1    FILE BIOTECHABS
            1    FILE BIOTECHDS
            1    FILE CAPLUS
            3    FILE DGENE
            1    FILE IFIPAT
            2    FILE USPATFULL
            1    FILE WPIDS
            1    FILE WPINDEX

      8 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L3   QUE L2 AND BAV1

=> s L2 and (chloroethene or vinyl halide or haloalkane)
            1    FILE ANABSTR
            1    FILE BIOENG
            1    FILE BIOSIS
            2    FILE BIOTECHABS
            2    FILE BIOTECHDS
            1    FILE CAPLUS
            1    FILE EMBASE
            1    FILE ESBIOBASE
            1    FILE IFIPAT
            1    FILE LIFESCI
            1    FILE MEDLINE
            1    FILE PASCAL
     51 FILES SEARCHED...
            1    FILE SCISEARCH
            2    FILE TOXCENTER
            9    FILE USPATFULL
            4    FILE USPAT2
            1    FILE WPIDS
            1    FILE WPINDEX
```

18 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L4   QUE L2 AND (CHLOROETHENE OR VINYL HALIDE OR HALOALKANE)

=> s L4 and (vinyl chloride or dichloroethene)
          1   FILE ANABSTR
          1   FILE BIOENG
          1   FILE BIOSIS
          2   FILE BIOTECHABS
          2   FILE BIOTECHDS
          1   FILE CAPLUS
          1   FILE EMBASE
          1   FILE ESBIOBASE
          1   FILE IFIPAT
          1   FILE LIFESCI
          1   FILE MEDLINE
          1   FILE PASCAL
          1   FILE SCISEARCH
          2   FILE TOXCENTER
          9   FILE USPATFULL
          4   FILE USPAT2
   63 FILES SEARCHED...
          1   FILE WPIDS
          1   FILE WPINDEX

   18 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L5   QUE L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)

=> file anabstr bioeng biosis biotechabs biotechds caplus embase esbiobase ifipat
lifesci medline pascal scisearch toxcenter uspatfull uspat2
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                               ENTRY   SESSION
FULL ESTIMATED COST   5.85   8.79

FILE 'ANABSTR' ENTERED AT 12:23:06 ON 30 MAR 2008
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FILE 'IFIPAT' ENTERED AT 12:23:06 ON 30 MAR 2008

```
=> s l5
L6          28 L5

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7          11 DUP REM L6 (17 DUPLICATES REMOVED)

=> d l7 1-11

L7   ANSWER 1 OF 11  IFIPAT  COPYRIGHT 2008 IFI on STN DUPLICATE 1
AN    11449219  IFIPAT;IFIUDB;IFICDB
TI    DEHALOCOCCOIDES ISOLATE FOR BIOREMEDIATION
IN    Loeffler Frank
PA    Georgia Tech Research Corp (20946)
PI    US 2007099284   A1  20070503
AI    US 2004-559993       20040610
      WO 2004-US19000      20040610
                           20051207  PCT 371 date
                           20051207  PCT 102(e) date
PRAI  US 2003-477799P      20030610 (Provisional)
FI    US 2007099284        20070503
DT    Utility; Patent Application - First Publication
FS    CHEMICAL
      APPLICATION
ED    Entered STN: 9 May 2007
      Last Updated on STN: 13 Jun 2007
CLMN  14
GI     3 Figure(s).
```

    FIG. 1A-C depicts micrographs of isolate BAV1 using (A) epifluorescence
    and (B-C) scanning electron microscopy.
    FIG. 2 depicts Terminal Restriction Fragment Polymorphisms (TRFLP)
    digestion profiles of the PCR-amplified 16S rRNA gene from a culture of
    bacterium BAV1.
    FIG. 3A-B depicts (A) the increase in 16S rRNA gene copies as determined
    by real-time (RTm) PCR (closed circles) during the reductive
    dechlorination of VC (closed triangles) to ethene by a culture of

bacterium BAV1, and (b) 16S rRNA gene copies of bacterium BAV1 after
        completely dechlorinating different amounts of VC.

L7   ANSWER 2 OF 11   USPATFULL on STN   DUPLICATE 2
AN   2005:302826 USPATFULL
TI   Halogenated solvent remediation
IN   Sorenson, Kent S. JR., Denver, CO, UNITED STATES
PA   North Wind, Inc. (U.S. corporation)
PI   US 2005263454   A1 20051201
        US 7141170   B2 20061128
AI   US 2005-42350   A1 20050124 (11)
RLI   Continuation of Ser. No. US 2004-853899, filed on 25 May 2004, ABANDONED
DT   Utility
FS   APPLICATION
LN.CNT 1574
INCL   INCLM: 210/610.000
        INCLS: 405/128.450; 210/747.000
NCL   NCLM: 210/610.000
        NCLS: 210/747.000; 405/128.450
IC   [7]
        ICM   C02F003-00
        IPCI   C02F0003-00 [ICM,7]
        IPCI-2 C02F0003-00 [I,A]
        IPCR   C02F0003-00 [I,C]; C02F0003-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7   ANSWER 3 OF 11   USPATFULL on STN
AN   2005:171268 USPATFULL
TI   Nucleic acid fragments for the identification of dechlorinating bacteria
IN   Ebersole, Richard C., Wilmington, DE, UNITED STATES
        Hendrickson, Edwin, Hockessin, DE, UNITED STATES
PI   US 2005148015   A1 20050707
AI   US 2005-69442   A1 20050301 (11)
RLI   Division of Ser. No. US 2002-61071, filed on 29 Jan 2002, GRANTED, Pat.
        No. US 6894156 Continuation-in-part of Ser. No. US 2000-548998, filed on
        14 Apr 2000, GRANTED, Pat. No. US 6797817
PRAI   US 1999-129511P   19990415 (60)
DT   Utility
FS   APPLICATION
LN.CNT 2754
INCL   INCLM: 435/006.000
        INCLS: 435/252.100; 536/023.700; 435/262.500
NCL   NCLM: 435/006.000
        NCLS: 435/252.100; 435/262.500; 536/023.700
IC   [7]
        ICM   C12Q001-68
        ICS   C07H021-04; C12N001-20; C12S001-00
        IPCI   C12Q0001-68 [ICM,7]; C07H0021-04 [ICS,7]; C07H0021-00 [ICS,7,C*];
               C12N0001-20 [ICS,7]; C12S0001-00 [ICS,7]
        IPCR   C07H0021-00 [I,C*]; C07H0021-04 [I,A]; C12N0001-20 [I,C*];
               C12N0001-20 [I,A]; C12Q0001-68 [I,C*]; C12Q0001-68 [I,A];
               C12S0001-00 [I,C*]; C12S0001-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7   ANSWER 4 OF 11   USPATFULL on STN
AN   2005:128252 USPATFULL
TI   Halogenated solvent remediation
IN   Sorenson, Kent S. JR., Windsor, CO, UNITED STATES
PI   US 2005109696   A1 20050526
AI   US 2004-931800   A1 20040831 (10)
RLI   Continuation-in-part of Ser. No. US 2001-895430, filed on 29 Jun 2001,
        GRANTED, Pat. No. US 6783678

```
PRAI    US 2000-214957P      20000629 (60)
        US 2000-233414P      20000918 (60)
DT      Utility
FS      APPLICATION
LN.CNT 1537
INCL    INCLM: 210/610.000
        INCLS: 210/747.000
NCL     NCLM:  210/610.000
        NCLS:  210/747.000
IC      [7]
        ICM     C02F003-00
        IPCI    C02F0003-00 [ICM,7]
        IPCR    B09C0001-00 [I,C*]; B09C0001-00 [I,A]; B09C0001-10 [I,C*];
                B09C0001-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


L7      ANSWER 5 OF 11   USPATFULL on STN
AN      2005:75279   USPATFULL
TI      Methods for remediating materials contaminated with
        halogenated aromatic compounds
IN      Fennell, Donna E., North Brunswick, NJ, UNITED STATES
        Haggblom, Max M., New York, NY, UNITED STATES
        Zinder, Stephen H., Ithaca, NY, UNITED STATES
        Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF
PI      US 2005064576        A1  20050324
AI      US 2004-828781       A1  20040421 (10)
PRAI    US 2003-464348P      20030422 (60)
DT      Utility
FS      APPLICATION
LN.CNT 849
INCL    INCLM: 435/262.500
NCL     NCLM:  435/262.500
IC      [7]
        ICM     C12S001-00
        IPCI    C12S0001-00 [ICM,7]
        IPCR    C12S0001-00 [I,C*]; C12S0001-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


L7      ANSWER 6 OF 11   USPATFULL on STN                      DUPLICATE 3
AN      2004:203426   USPATFULL
TI      Electron donors for chlorinated solvent source area bioremediation
IN      Sorenson, Kent S., JR., Idaho Falls, ID, UNITED STATES
        Wilke, Wayne H., Stilwell, KS, UNITED STATES
PA      SRP TECHNOLOGIES, INC. (U.S. corporation)
        JRW BIOREMEDIATION, LLC (U.S. corporation)
PI      US 2004157317        A1  20040812
        US 7045339           B2  20060516
AI      US 2003-645332       A1  20030820 (10)
PRAI    US 2002-404728P      20020820 (60)
DT      Utility
FS      APPLICATION
LN.CNT 1628
INCL    INCLM: 435/262.500
NCL     NCLM:  435/262.500
        NCLS:  210/610.000; 210/611.000; 210/631.000; 210/719.000; 210/757.000;
                435/262.000
IC      [7]
        ICM     C12S001-00
        IPCI    C12S0001-00 [ICM,7]
        IPCI-2 C12S0001-00 [I,A]; C02F0001-70 [I,A]; B09C0001-08 [I,A];
                B09C0001-00 [I,C*]
        IPCR    B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0001-68 [I,C*];
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              C02F0001-68 [I,A]; C02F0003-04 [I,C*]; C02F0003-04 [I,A];
              C12S0005-00 [I,C*]; C12S0005-00 [I,A]; C12S0001-00 [I,A];
              B09C0001-00 [I,C]; B09C0001-08 [I,A]; C02F0001-70 [I,C];
              C02F0001-70 [I,A]; C12S0001-00 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
```

```
L7    ANSWER 7 OF 11  BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN
AN    2005-04335  BIOTECHDS
TI    New biologically pure bacterial culture possessing all of identifying
      characteristics of Dehalococcoides isolates BAV1, useful for
      remediating a substrate comprising a halogenated
      compound;
            Dehalococcoides sp. for use in soil decontamination and
         sediment decontamination
AU    LOEFFLER F
PA    GEORGIA TECH RES CORP
PI    WO 2004110933 23 Dec 2004
AI    WO 2004-US19000 10 Jun 2004
PRAI  US 2003-477799 10 Jun 2003; US 2003-477799 10 Jun 2003
DT    Patent
LA    English
OS    WPI: 2005-066151 [07]
```

```
L7    ANSWER 8 OF 11  USPATFULL on STN
AN     2004:242090  USPATFULL
TI     Nucleic acid fragments for the identification of dechlorinating bacteria
IN     Ebersole, Richard C., Wilmington, DE, United States
       Hendrickson, Edwin R., Hockessin, DE, United States
PA     E. I. du Pont de Nemours and Company, Wilmington, DE, United States
       (U.S. corporation)
PI     US 6797817        B1  20040928
AI     US 2000-548998        20000414 (9)
PRAI   US 1999-129511P     19990415 (60)
DT     Utility
FS     GRANTED
LN.CNT 1666
INCL   INCLM: 536/024.300
       INCLS: 435/243.000; 435/262.500
NCL    NCLM: 536/024.300
       NCLS: 435/243.000; 435/262.500
IC     [7]
       ICM    C07H021-04
       IPCI   C07H0021-04 [ICM,7]; C07H0021-00 [ICM,7,C*]
       IPCR   C12Q0001-68 [I,C*]; C12Q0001-68 [I,A]
EXF    536/24.3; 435/243; 435/262.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
```

```
L7    ANSWER 9 OF 11  ANABSTR  COPYRIGHT  2008 RSC on STN    DUPLICATE 4
AN    66(26):H222  ANABSTR
TI    Dehalococcoides ethenogenes strain 195 reductively dechlorinates
      diverse chlorinated aromatic pollutants.
AU    Fennell, D. E.; Nijenhuis, I.; Wilson, S. F.; Zinder, S. H.; Haeggblom, M.
      M. (fennell@envsci.rutgers.edu, Dept. Environ. Sci., Rutgers Univ., New
      Brunswick, NJ 08901, USA)
SO    Environ. Sci. Technol. (2004) 38(7), 2075-2081
      CODEN: ESTHAG    ISSN: 0013-936X
DT    Journal
LA    English
```

```
L7    ANSWER 10 OF 11  USPATFULL on STN                    DUPLICATE 5
AN     2003:112869  USPATFULL
TI     Nucleic acid fragments for the identification of dechlorinating bacteria
```

```
IN      Ebersole, Richard C., Wilmington, DE, UNITED STATES
        Hendrickson, Edwin R., Hockessin, DE, UNITED STATES
PI      US 2003077601      A1   20030424
        US 6894156         B2   20050517
AI      US 2002-61071      A1   20020129 (10)
RLI     Continuation-in-part of Ser. No. US 2000-548998, filed on 14 Apr 2000,
        PENDING
PRAI    US 1999-129511P      19990415 (60)
DT      Utility
FS      APPLICATION
LN.CNT  2812
INCL    INCLM: 435/006.000
        INCLS: 435/252.300; 435/069.100; 435/320.100; 536/023.200
NCL     NCLM:  536/024.100; 435/006.000
        NCLS:  435/243.000; 435/069.100; 435/252.300; 435/320.100; 536/023.200
IC      [7]
        ICM    C12Q001-68
        ICS    C07H021-04; C12N001-20; C12N015-74; C12P021-02
        IPCI   C12Q0001-68 [ICM,7]; C07H0021-04 [ICS,7]; C07H0021-00 [ICS,7,C*];
               C12N0001-20 [ICS,7]; C12N0015-74 [ICS,7]; C12P0021-02 [ICS,7]
        IPCI-2 C07H0021-04 [ICM,7]; C07H0021-00 [ICM,7,C*]; C12N0001-00 [ICS,7]
        IPCR   C12Q0001-68 [I,C*]; C12Q0001-68 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7    ANSWER 11 OF 11   USPATFULL on STN                    DUPLICATE 6
AN      2002:35954   USPATFULL
TI      Halogenated solvent remediation
IN      Sorenson, Kent S., Idaho Falls, ID, UNITED STATES
PA      Bechtel BWXT Idaho, LLC (non-U.S. corporation)
PI      US 2002020665      A1   20020221
        US 6783678         B2   20040831
AI      US 2001-895430     A1   20010629 (9)
PRAI    US 2000-214957P      20000629 (60)
        US 2000-233414P      20000918 (60)
DT      Utility
FS      APPLICATION
LN.CNT  1048
INCL    INCLM: 210/601.000
        INCLS: 252/182.120; 210/610.000
NCL     NCLM:  210/610.000; 210/601.000
        NCLS:  435/262.500; 252/182.120
IC      [7]
        ICM    C02F003-00
        ICS    C09K003-00
        IPCI   C02F0003-00 [ICM,7]; C09K0003-00 [ICS,7]
        IPCI-2 C02F0003-00 [ICM,7]
        IPCR   B09C0001-00 [I,C*]; B09C0001-00 [I,A]; B09C0001-10 [I,C*];
               B09C0001-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> s l3
L8             5 L3

=> rem dup l8
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the
system.

To delete a saved query, saved answer set, saved L-number list, SDI
request, batch request, mailing list, or user-defined cluster, format,
or search field, enter the name.  The name may include ?  for left,
```

right, or simultaneous left and right truncation.

Examples:

```
  DELETE BIO?/Q           - delete query names starting with BIO
  DELETE ?DRUG/A          - delete answer set names ending with DRUG
  DELETE ?ELEC?/L         - delete L-number lists containing ELEC
  DELETE ANTICOAG/S       - delete SDI request
  DELETE ENZYME/B         - delete batch request
  DELETE .MYCLUSTER       - delete user-defined cluster
  DELETE .MYFORMAT        - delete user-defined display format
  DELETE .MYFIELD         - delete user-defined search field
  DELETE NAMELIST MYLIST - delete mailing list
```

To delete an ordered document or an offline print, enter its number.

Examples:

```
  DELETE P123001C         - delete print request
  DELETE D134002C         - delete document order request
```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
  DELETE L21              - delete a single L-number
  DELETE L3-L6            - delete a range of L-numbers
  DELETE LAST 4           - delete the last 4 L-numbers
  DELETE L33-             - delete L33 and any higher L-number
  DELETE -L55             - delete L55 and any lower L-number
  DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                            renumber remaining L-numbers
  DELETE RENUMBER         - renumber L-numbers after deletion of
                            intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
  DELETE SAVED/Q - delete all saved queries
  DELETE SAVED/A - delete all saved answer sets
  DELETE SAVED/L - delete all saved L-number lists
  DELETE SAVED   - delete all saved queries, answer sets,
                   and L-number lists
  DELETE SAVED/S - delete all SDI requests
  DELETE SAVED/B - delete all batch requests
  DELETE CLUSTER - delete all user-defined clusters
  DELETE FORMAT  - delete all user-defined display formats
  DELETE FIELD   - delete all user-defined search fields
  DELETE SELECT  - delete all E-numbers
  DELETE HISTORY - delete all L-numbers and restart the
                   session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> dup rem 18
PROCESSING COMPLETED FOR L8
L9              4 DUP REM L8 (1 DUPLICATE REMOVED)

=> d 19 1-4

L9    ANSWER 1 OF 4  IFIPAT  COPYRIGHT 2008 IFI on STN  DUPLICATE 1
AN    11449219  IFIPAT;IFIUDB;IFICDB
TI    DEHALOCOCCOIDES ISOLATE FOR BIOREMEDIATION
IN    Loeffler Frank
PA    Georgia Tech Research Corp (20946)
PI    US 2007099284  A1  20070503
AI    US 2004-559993       20040610
      WO 2004-US19000      20040610
                           20051207  PCT 371 date
                           20051207  PCT 102(e) date
PRAI  US 2003-477799P      20030610 (Provisional)
FI    US 2007099284        20070503
DT    Utility; Patent Application - First Publication
FS    CHEMICAL
      APPLICATION
ED    Entered STN: 9 May 2007
      Last Updated on STN: 13 Jun 2007
CLMN  14
GI     3 Figure(s).
      FIG. 1A-C depicts micrographs of isolate BAV1 using (A)
      epifluorescence and (B-C) scanning electron microscopy.
      FIG. 2 depicts Terminal Restriction Fragment Polymorphisms (TRFLP)
      digestion profiles of the PCR-amplified 16S rRNA gene from a culture of
      bacterium BAV1.
      FIG. 3A-B depicts (A) the increase in 16S rRNA gene copies as determined
      by real-time (RTm) PCR (closed circles) during the reductive
      dechlorination of VC (closed triangles) to ethene by a culture of
      bacterium BAV1, and (b) 16S rRNA gene copies of bacterium
      BAV1 after completely dechlorinating different amounts of VC.


L9    ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2008 ACS on STN
AN    2006:272970  CAPLUS
DN    144:325899
TI    Cloning and sequences of reductive dehalogenase genes from dechlorinating
      bacteria for use in bioremediation of pollutants
IN    Loeffler, Frank; Ritalahti, Kirsti M.; Krajmalnik-Brown, Rosa; Thompson,
      Ivy
PA    Regenesis Bioremediation Products, USA
SO    PCT Int. Appl., 54 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
      --------------      ----   --------    --------------------     --------
PI    WO 2006031997        A2    20060323    WO 2005-US33063          20050914
      WO 2006031997        A3    20070315
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
              LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
              NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
              SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
              ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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              IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
              CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
              GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
              KG, KZ, MD, RU, TJ, TM
PRAI US 2004-609892P      P     20040914

L9   ANSWER 3 OF 4  USPATFULL on STN
AN     2005:75279  USPATFULL
TI     Methods for remediating materials contaminated with
       halogenated aromatic compounds
IN     Fennell, Donna E., North Brunswick, NJ, UNITED STATES
       Haggblom, Max M., New York, NY, UNITED STATES
       Zinder, Stephen H., Ithaca, NY, UNITED STATES
       Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF
PI     US 2005064576       A1  20050324
AI     US 2004-828781      A1  20040421 (10)
PRAI   US 2003-464348P     20030422 (60)
DT     Utility
FS     APPLICATION
LN.CNT 849
INCL   INCLM: 435/262.500
NCL    NCLM: 435/262.500
IC     [7]
       ICM    C12S001-00
       IPCI   C12S0001-00 [ICM,7]
       IPCR   C12S0001-00 [I,C*]; C12S0001-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9   ANSWER 4 OF 4  BIOTECHDS COPYRIGHT 2008 THE THOMSON CORP. on STN
AN     2005-04335  BIOTECHDS
TI     New biologically pure bacterial culture possessing all of identifying
       characteristics of Dehalococcoides isolates BAV1,
       useful for remediating a substrate comprising a
       halogenated compound;
           Dehalococcoides sp. for use in soil decontamination and
           sediment decontamination
AU     LOEFFLER F
PA     GEORGIA TECH RES CORP
PI     WO 2004110933 23 Dec 2004
AI     WO 2004-US19000 10 Jun 2004
PRAI   US 2003-477799 10 Jun 2003; US 2003-477799 10 Jun 2003
DT     Patent
LA     English
OS     WPI: 2005-066151 [07]


=> FIL STNGUIDE
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FULL ESTIMATED COST                                76.71        85.50

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 28, 2008 (20080328/UP).

=> d hist

      (FILE 'HOME' ENTERED AT 12:09:23 ON 30 MAR 2008)
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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 12:17:26 ON 30 MAR 2008
              SEA DEHALOCOCCOIDES AND REMEDIAT?
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        2    FILE AGRICOLA
        1    FILE ANABSTR
        2    FILE ANTE
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        2    FILE AQUASCI
        3    FILE BIOENG
       19    FILE BIOSIS
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        8    FILE BIOTECHDS
        2    FILE BIOTECHNO
       13    FILE CABA
      154    FILE CAPLUS
        4    FILE CEABA-VTB
        3    FILE DGENE
        6    FILE DISSABS
       10    FILE EMBASE
       13    FILE ESBIOBASE
        3    FILE GENBANK
        3    FILE IFIPAT
        3    FILE LIFESCI
        9    FILE MEDLINE
        8    FILE PASCAL
        2    FILE PROMT
       16    FILE SCISEARCH
       45    FILE TOXCENTER
       19    FILE USPATFULL
        5    FILE USPAT2
        5    FILE WATER
        2    FILE WPIDS
        2    FILE WPINDEX
L1            QUE DEHALOCOCCOIDES AND REMEDIAT?
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              SEA L1 AND HALOGEN?
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        1    FILE BIOENG
        1    FILE BIOSIS
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        1    FILE LIFESCI
        1    FILE MEDLINE
        2    FILE PASCAL
        3    FILE SCISEARCH
        4    FILE TOXCENTER
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        2    FILE WPINDEX
L2            QUE L1 AND HALOGEN?
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                    SEA L2 AND BAV1
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                    1    FILE BIOTECHABS
                    1    FILE BIOTECHDS
                    1    FILE CAPLUS
                    3    FILE DGENE
                    1    FILE IFIPAT
                    2    FILE USPATFULL
                    1    FILE WPIDS
                    1    FILE WPINDEX
L3                  QUE L2 AND BAV1
                    ---------
                    SEA L2 AND (CHLOROETHENE OR VINYL HALIDE OR HALOALKANE)
                    ---------
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                    1    FILE BIOENG
                    1    FILE BIOSIS
                    2    FILE BIOTECHABS
                    2    FILE BIOTECHDS
                    1    FILE CAPLUS
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                    1    FILE MEDLINE
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                    1    FILE SCISEARCH
                    2    FILE TOXCENTER
                    9    FILE USPATFULL
                    4    FILE USPAT2
                    1    FILE WPIDS
                    1    FILE WPINDEX
L4                  QUE L2 AND (CHLOROETHENE OR VINYL HALIDE OR HALOALKANE)
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                    SEA L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)
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                    1    FILE ANABSTR
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                    1    FILE BIOSIS
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                    1    FILE CAPLUS
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                    2    FILE TOXCENTER
                    9    FILE USPATFULL
                    4    FILE USPAT2
                    1    FILE WPIDS
                    1    FILE WPINDEX
L5                  QUE L4 AND (VINYL CHLORIDE OR DICHLOROETHENE)
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      FILE 'ANABSTR, BIOENG, BIOSIS, BIOTECHDS, CAPLUS, EMBASE, ESBIOBASE,
      IFIPAT, LIFESCI, MEDLINE, PASCAL, SCISEARCH, TOXCENTER, USPATFULL,
      USPAT2' ENTERED AT 12:23:06 ON 30 MAR 2008
L6              28 S L5
L7              11 DUP REM L6 (17 DUPLICATES REMOVED)
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L8              5 S L3
L9              4 DUP REM L8 (1 DUPLICATE REMOVED)

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FULL ESTIMATED COST                                 0.12       85.62

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PASSWORD:
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 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  JUN 06  EPFULL enhanced with 260,000 English abstracts
 NEWS  3  JUN 06  KOREAPAT updated with 41,000 documents
 NEWS  4  JUN 13  USPATFULL and USPAT2 updated with 11-character
                  patent numbers for U.S. applications
 NEWS  5  JUN 19  CAS REGISTRY includes selected substances from
                  web-based collections
 NEWS  6  JUN 25  CA/CAplus and USPAT databases updated with IPC
                  reclassification data
 NEWS  7  JUN 30  AEROSPACE enhanced with more than 1 million U.S.
                  patent records
 NEWS  8  JUN 30  EMBASE, EMBAL, and LEMBASE updated with additional
                  options to display authors and affiliated
                  organizations
 NEWS  9  JUN 30  STN on the Web enhanced with new STN AnaVist
                  Assistant and BLAST plug-in
 NEWS 10  JUN 30  STN AnaVist enhanced with database content from EPFULL
 NEWS 11  JUL 28  CA/CAplus patent coverage enhanced
 NEWS 12  JUL 28  EPFULL enhanced with additional legal status
                  information from the epoline Register
 NEWS 13  JUL 28  IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
 NEWS 14  JUL 28  STN Viewer performance improved
 NEWS 15  AUG 01  INPADOCDB and INPAFAMDB coverage enhanced
 NEWS 16  AUG 13  CA/CAplus enhanced with printed Chemical Abstracts
                  page images from 1967-1998
 NEWS 17  AUG 15  CAOLD to be discontinued on December 31, 2008
 NEWS 18  AUG 15  CAplus currency for Korean patents enhanced
 NEWS 19  AUG 27  CAS definition of basic patents expanded to ensure
                  comprehensive access to substance and sequence
                  information
 NEWS 20  SEP 18  Support for STN Express, Versions 6.01 and earlier,
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                    to be discontinued
 NEWS 21   SEP 25   CA/CAplus current-awareness alert options enhanced
                    to accommodate supplemental CAS indexing of
                    exemplified prophetic substances
 NEWS 22   SEP 26   WPIDS, WPINDEX, and WPIX coverage of Chinese and
                    and Korean patents enhanced
 NEWS 23   SEP 29   IFICLS enhanced with new super search field
 NEWS 24   SEP 29   EMBASE and EMBAL enhanced with new search and
                    display fields
 NEWS 25   SEP 30   CAS patent coverage enhanced to include exemplified
                    prophetic substances identified in new Japanese-
                    language patents
 NEWS 26   OCT 07   EPFULL enhanced with full implementation of EPC2000
 NEWS 27   OCT 07   Multiple databases enhanced for more flexible patent
                    number searching

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 23:22:32 ON 12 OCT 2008

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY        SESSION
FULL ESTIMATED COST                               0.84          0.84

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      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 23:24:56 ON 12 OCT 2008

69 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s Dehalococcoides and bioremedi? and (DCE or dichlorethene) and (vinyl chloride
or vinyl bromide)
          2    FILE AGRICOLA
          2    FILE AQUALINE
          1    FILE AQUASCI
          3    FILE BIOENG
          5    FILE BIOSIS
         10    FILE BIOTECHABS
         10    FILE BIOTECHDS
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         2    FILE IFIPAT
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         3    FILE MEDLINE
   44 FILES SEARCHED...
         8    FILE PASCAL
         6    FILE SCISEARCH
        21    FILE TOXCENTER
        15    FILE USPATFULL
         6    FILE USPAT2
         1    FILE WATER
         3    FILE WPIDS
         3    FILE WPINDEX

   26 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L1    QUE DEHALOCOCCOIDES AND BIOREMEDI? AND (DCE OR DICHLORETHENE) AND (VINYL C
         HLORIDE OR VINYL BROMIDE)

=> s l1 and electron acceptor
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         4    FILE BIOTECHABS
         4    FILE BIOTECHDS
         1    FILE CABA
         3    FILE CAPLUS
         2    FILE DISSABS
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         4    FILE PASCAL
   50 FILES SEARCHED...
         2    FILE TOXCENTER
        14    FILE USPATFULL
         6    FILE USPAT2
         2    FILE WPIDS
         2    FILE WPINDEX

   13 FILES HAVE ONE OR MORE ANSWERS,   69 FILES SEARCHED IN STNINDEX

L2    QUE L1 AND ELECTRON ACCEPTOR

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uspatfull uspat2
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                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  3.90          4.74

FILE 'BIOSIS' ENTERED AT 23:28:34 ON 12 OCT 2008
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FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

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FILE 'CABA' ENTERED AT 23:28:34 ON 12 OCT 2008
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=> s l2
L3              38 L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4              27 DUP REM L3 (11 DUPLICATES REMOVED)

=> s l4 and haloalkane?
L5               1 L4 AND HALOALKANE?

=> d l5 1

L5   ANSWER 1 OF 1  USPATFULL on STN
AN     2007:114213  USPATFULL
TI     Dehalococcoides isolate for bioremediation
IN     Loeffler, Frank, Atlanta, GA, UNITED STATES
PA     GEORGIA TECH RESEARCH CORPORATION, ATLANTA, GA, UNITED STATES,
       30332-0415 (U.S. corporation)
PI     US 20070099284    A1  20070503
AI     US 2004-559993    A1  20040610 (10)
       WO 2004-US19000       20040610
                             20051207  PCT 371 date
PRAI   US 2003-477799P    20030610 (60)
DT     Utility
FS     APPLICATION
LN.CNT 647
INCL   INCLM: 435/252.300
       INCLS: 435/262.500; 588/300.000; 588/406.000
NCL    NCLM:  435/252.300
       NCLS:  435/262.500; 588/300.000; 588/406.000
IC     IPCI   A62D0003-02 [I,A]; C12N0001-20 [I,A]
       IPCR   A62D0003-00 [I,C]; A62D0003-02 [I,A]; C12N0001-20 [I,C];
              C12N0001-20 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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=> s l4 and BAV1
L6                4 L4 AND BAV1

=> d l6 1-4


L6    ANSWER 1 OF 4  BIOSIS   COPYRIGHT (c) 2008 The Thomson Corporation   on STN
AN    2003:532385  BIOSIS
DN    PREV200300534302
TI    Isolation of a vinyl chloride-respiring population in
      pure culture.
AU    He, J. [Reprint Author]; Loffler, F. E. [Reprint Author]
CS    Georgia Institute of Technology, Atlanta, GA, USA
SO    Abstracts of the General Meeting of the American Society for Microbiology,
      (2003) Vol. 103, pp. Q-016.
      http://www.asmusa.org/mtgsrc/generalmeeting.htm. cd-rom.
      Meeting Info.: 103rd American Society for Microbiology General Meeting.
      Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.
      ISSN: 1060-2011 (ISSN print).
DT    Conference; (Meeting)
      Conference; Abstract; (Meeting Abstract)
LA    English
ED    Entered STN: 12 Nov 2003
      Last Updated on STN: 12 Nov 2003


L6    ANSWER 2 OF 4  USPATFULL on STN
AN     2007:114213  USPATFULL
TI     Dehalococcoides isolate for bioremediation
IN     Loeffler, Frank, Atlanta, GA, UNITED STATES
PA     GEORGIA TECH RESEARCH CORPORATION, ATLANTA, GA, UNITED STATES,
       30332-0415 (U.S. corporation)
PI     US 20070099284      A1  20070503
AI     US 2004-559993      A1  20040610 (10)
       WO 2004-US19000         20040610
                               20051207  PCT 371 date
PRAI   US 2003-477799P     20030610 (60)
DT     Utility
FS     APPLICATION
LN.CNT 647
INCL   INCLM: 435/252.300
       INCLS: 435/262.500; 588/300.000; 588/406.000
NCL    NCLM:  435/252.300
       NCLS:  435/262.500; 588/300.000; 588/406.000
IC     IPCI   A62D0003-02 [I,A]; C12N0001-20 [I,A]
       IPCR   A62D0003-00 [I,C]; A62D0003-02 [I,A]; C12N0001-20 [I,C];
              C12N0001-20 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


L6    ANSWER 3 OF 4  USPATFULL on STN
AN     2006:166986  USPATFULL
TI     Gene probes for the selective detection of microorganisms that
       reductively dechlorinate polychlorinated biphenyl compounds
IN     Sowers, Kevin R., Baltimore, MD, UNITED STATES
       Fagervoid, Sonja K., Baltimore, MD, UNITED STATES
       Watts, Joy E.M., Baltimore, MD, UNITED STATES
       May, Harold D., Pleasant, SC, UNITED STATES
PI     US 20060141492      A1  20060629
AI     US 2005-190801      A1  20050727 (11)
PRAI   US 2004-591514P     20040727 (60)
DT     Utility
FS     APPLICATION
LN.CNT 1192
INCL   INCLM: 435/006.000
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          INCLS: 435/252.300; 536/024.100; 435/262.500
NCL    NCLM: 435/006.000
          NCLS: 435/252.300; 435/262.500; 536/024.100
IC     IPCI  C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];
              C12N0001-20 [I,A]; B09C0001-10 [I,A]
       IPCR  C12Q0001-68 [I,A]; B09C0001-10 [I,C]; B09C0001-10 [I,A];
              C07H0021-00 [I,C]; C07H0021-04 [I,A]; C12N0001-20 [I,C];
              C12N0001-20 [I,A]; C12Q0001-68 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


L6    ANSWER 4 OF 4  USPATFULL on STN
AN     2005:75279  USPATFULL
TI     Methods for remediating materials contaminated with halogenated aromatic
       compounds
IN     Fennell, Donna E., North Brunswick, NJ, UNITED STATES
       Haggblom, Max M., New York, NY, UNITED STATES
       Zinder, Stephen H., Ithaca, NY, UNITED STATES
       Nijenhuis, Ivonne, Leipzig, GERMANY, FEDERAL REPUBLIC OF
PI     US 20050064576      A1  20050324
AI     US 2004-828781      A1  20040421 (10)
PRAI   US 2003-464348P       20030422 (60)
DT     Utility
FS     APPLICATION
LN.CNT 849
INCL   INCLM: 435/262.500
NCL    NCLM: 435/262.500
IC     [7]
       ICM    C12S001-00
       IPCI   C12S0001-00 [ICM,7]
       IPCR   C12S0001-00 [I,C*]; C12S0001-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.



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COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY        SESSION
FULL ESTIMATED COST                               42.09         46.83


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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Oct 10, 2008 (20081010/UP).

=> d l6 ab
YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y




L6    ANSWER 1 OF 4  BIOSIS  COPYRIGHT (c) 2008 The Thomson Corporation  on STN
AB    About half of the hazardous waste sites on the U.S.  Environmental
      Protection Agency's Final National Priority List for 2002 were
      contaminated with tetrachloroethene (PCE) and/or trichloroethene (TCE).
      Dichloroethenes (DCEs) and vinyl chloride (VC) often
      accumulate in contaminated aquifers in which PCE or TCE undergo incomplete
      reductive dechlorination.  The accumulation of VC is of particular concern
      because VC is a proven human carcinogen.  Organisms capable of using
      polychlorinated ethenes as terminal electron acceptors in their energy
      metabolism (e.g., chloridogenic populations) have been isolated over the
      last few years, however, no VC-respiring isolates have been described.  An
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anaerobic VC-respiring population, designated as strain BAV1,
was isolated from a PCE-to-ethene-dechlorinating microcosm obtained from
the Bachman Road site, a PCE-contaminated aquifer in Oscoda, MI. 16S rRNA
gene sequencing placed the isolate in the Pinellas group within the
Dehalococcoides cluster. Strain BAV1 grew in defined
mineral salts medium with VC as the only available electron
acceptor. VC (0.83 mM, nominal concentration) was dechlorinated
at rates of up to 57.9 mumoles/L/d to ethene, which was not further
transformed. Hydrogen was the required electron donor, and the isolate
also dechlorinated vinyl bromide, cis-DCE,
trans-DCE, 1,1- DCE and 1,2-dichloroethane to ethene.
cis-DCE, trans-DCE, and 1,1-DCE (apprx0.8 mM
each) were dechlorinated at rates of up to 61.9, 50.5, and 56.0
mumoles/L/d, respectively. Dehalococcoides 16S rRNA
gene-targeted real-time PCR confirmed chloridogenic growth, and
demonstrated that about twice as much biomass was produced when strain
BAV1 was grown with cis-DCE compared to growth with VC.
This finding indicates that the new isolate captures the energy released
from both reductive dechlorination steps. Strain BAV1 failed to
grow with PCE and TCE but cometabolized both compounds in the presence of
a growth-supporting chloroethene. Strain BAV1 is the first
isolate using the priority pollutant VC as a respiratory electron
acceptor, and has potential applications in engineered
bioremediation approaches.

=> d l6 1
YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y

L6   ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
AN   2003:532385 BIOSIS
DN   PREV200300534302
TI   Isolation of a vinyl chloride-respiring population in
      pure culture.
AU   He, J. [Reprint Author]; Loffler, F. E. [Reprint Author]
CS   Georgia Institute of Technology, Atlanta, GA, USA
SO   Abstracts of the General Meeting of the American Society for Microbiology,
      (2003) Vol. 103, pp. Q-016.
      http://www.asmusa.org/mtgsrc/generalmeeting.htm. cd-rom.
      Meeting Info.: 103rd American Society for Microbiology General Meeting.
      Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.
      ISSN: 1060-2011 (ISSN print).
DT   Conference; (Meeting)
      Conference; Abstract; (Meeting Abstract)
LA   English
ED   Entered STN: 12 Nov 2003
      Last Updated on STN: 12 Nov 2003

=> d l6 1 ab
YOU HAVE REQUESTED DATA FROM FILE 'BIOSIS, USPATFULL' - CONTINUE? (Y)/N:y

L6   ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
AB   About half of the hazardous waste sites on the U.S. Environmental
      Protection Agency's Final National Priority List for 2002 were
      contaminated with tetrachloroethene (PCE) and/or trichloroethene (TCE).

Dichloroethenes (DCEs) and vinyl chloride (VC) often
accumulate in contaminated aquifers in which PCE or TCE undergo incomplete
reductive dechlorination. The accumulation of VC is of particular concern
because VC is a proven human carcinogen. Organisms capable of using
polychlorinated ethenes as terminal electron acceptors in their energy
metabolism (e.g., chloridogenic populations) have been isolated over the
last few years, however, no VC-respiring isolates have been described. An
anaerobic VC-respiring population, designated as strain BAV1,
was isolated from a PCE-to-ethene-dechlorinating microcosm obtained from
the Bachman Road site, a PCE-contaminated aquifer in Oscoda, MI. 16S rRNA
gene sequencing placed the isolate in the Pinellas group within the
Dehalococcoides cluster. Strain BAV1 grew in defined
mineral salts medium with VC as the only available electron
acceptor. VC (0.83 mM, nominal concentration) was dechlorinated
at rates of up to 57.9 mumoles/L/d to ethene, which was not further
transformed. Hydrogen was the required electron donor, and the isolate
also dechlorinated vinyl bromide, cis-DCE,
trans-DCE, 1,1- DCE and 1,2-dichloroethane to ethene.
cis-DCE, trans-DCE, and 1,1-DCE (apprx0.8 mM
each) were dechlorinated at rates of up to 61.9, 50.5, and 56.0
mumoles/L/d, respectively. Dehalococcoides 16S rRNA
gene-targeted real-time PCR confirmed chloridogenic growth, and
demonstrated that about twice as much biomass was produced when strain
BAV1 was grown with cis-DCE compared to growth with VC.
This finding indicates that the new isolate captures the energy released
from both reductive dechlorination steps. Strain BAV1 failed to
grow with PCE and TCE but cometabolized both compounds in the presence of
a growth-supporting chloroethene. Strain BAV1 is the first
isolate using the priority pollutant VC as a respiratory electron
acceptor, and has potential applications in engineered
bioremediation approaches.

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION
FULL ESTIMATED COST   0.60   61.54

STN INTERNATIONAL LOGOFF AT 23:38:32 ON 12 OCT 2008

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 JUN 06 EPFULL enhanced with 260,000 English abstracts
 NEWS 3 JUN 06 KOREAPAT updated with 41,000 documents

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NEWS  4  JUN 13   USPATFULL and USPAT2 updated with 11-character
                  patent numbers for U.S. applications
NEWS  5  JUN 19   CAS REGISTRY includes selected substances from
                  web-based collections
NEWS  6  JUN 25   CA/CAplus and USPAT databases updated with IPC
                  reclassification data
NEWS  7  JUN 30   AEROSPACE enhanced with more than 1 million U.S.
                  patent records
NEWS  8  JUN 30   EMBASE, EMBAL, and LEMBASE updated with additional
                  options to display authors and affiliated
                  organizations
NEWS  9  JUN 30   STN on the Web enhanced with new STN AnaVist
                  Assistant and BLAST plug-in
NEWS 10  JUN 30   STN AnaVist enhanced with database content from EPFULL
NEWS 11  JUL 28   CA/CAplus patent coverage enhanced
NEWS 12  JUL 28   EPFULL enhanced with additional legal status
                  information from the epoline Register
NEWS 13  JUL 28   IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 14  JUL 28   STN Viewer performance improved
NEWS 15  AUG 01   INPADOCDB and INPAFAMDB coverage enhanced
NEWS 16  AUG 13   CA/CAplus enhanced with printed Chemical Abstracts
                  page images from 1967-1998
NEWS 17  AUG 15   CAOLD to be discontinued on December 31, 2008
NEWS 18  AUG 15   CAplus currency for Korean patents enhanced
NEWS 19  AUG 27   CAS definition of basic patents expanded to ensure
                  comprehensive access to substance and sequence
                  information
NEWS 20  SEP 18   Support for STN Express, Versions 6.01 and earlier,
                  to be discontinued
NEWS 21  SEP 25   CA/CAplus current-awareness alert options enhanced
                  to accommodate supplemental CAS indexing of
                  exemplified prophetic substances
NEWS 22  SEP 26   WPIDS, WPINDEX, and WPIX coverage of Chinese and
                  and Korean patents enhanced
NEWS 23  SEP 29   IFICLS enhanced with new super search field
NEWS 24  SEP 29   EMBASE and EMBAL enhanced with new search and
                  display fields
NEWS 25  SEP 30   CAS patent coverage enhanced to include exemplified
                  prophetic substances identified in new Japanese-
                  language patents
NEWS 26  OCT 07   EPFULL enhanced with full implementation of EPC2000
NEWS 27  OCT 07   Multiple databases enhanced for more flexible patent
                  number searching


NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
             AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.


NEWS HOURS     STN Operating Hours Plus Help Desk Availability
NEWS LOGIN     Welcome Banner and News Items
NEWS IPC8      For general information regarding STN implementation of IPC 8
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Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *
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FILE 'HOME' ENTERED AT 23:39:20 ON 12 OCT 2008

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                      ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

STN INTERNATIONAL LOGOFF AT 23:39:31 ON 12 OCT 2008

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LOGINID:ssspt189dxw

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* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 NOV 21   CAS patent coverage to include exemplified prophetic
                    substances identified in English-, French-, German-,
                    and Japanese-language basic patents from 2004-present
 NEWS 3 NOV 26   MARPAT enhanced with FSORT command
 NEWS 4 NOV 26   CHEMSAFE now available on STN Easy
 NEWS 5 NOV 26   Two new SET commands increase convenience of STN
                    searching
 NEWS 6 DEC 01   ChemPort single article sales feature unavailable
 NEWS 7 DEC 12   GBFULL now offers single source for full-text
                    coverage of complete UK patent families
 NEWS 8 DEC 17   Fifty-one pharmaceutical ingredients added to PS
 NEWS 9 JAN 06   The retention policy for unread STNmail messages
                    will change in 2009 for STN-Columbus and STN-Tokyo
 NEWS 10 JAN 07   WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
                    Classification Data
 NEWS 11 FEB 02   Simultaneous left and right truncation (SLART) added
                    for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
 NEWS 12 FEB 02   GENBANK enhanced with SET PLURALS and SET SPELLING
 NEWS 13 FEB 06   Patent sequence location (PSL) data added to USGENE
 NEWS 14 FEB 10   COMPENDEX reloaded and enhanced
 NEWS 15 FEB 11   WTEXTILES reloaded and enhanced
 NEWS 16 FEB 19   New patent-examiner citations in 300,000 CA/CAplus
                    patent records provide insights into related prior
                    art
 NEWS 17 FEB 19   Increase the precision of your patent queries -- use
                    terms from the IPC Thesaurus, Version 2009.01
 NEWS 18 FEB 23   Several formats for image display and print options
                    discontinued in USPATFULL and USPAT2
 NEWS 19 FEB 23   MEDLINE now offers more precise author group fields
                    and 2009 MeSH terms
 NEWS 20 FEB 23   TOXCENTER updates mirror those of MEDLINE - more
                    precise author group fields and 2009 MeSH terms
 NEWS 21 FEB 23   Three million new patent records blast AEROSPACE into

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                       STN patent clusters
 NEWS 22  FEB 25   USGENE enhanced with patent family and legal status
                       display data from INPADOCDB
 NEWS 23  MAR 06   INPADOCDB and INPAFAMDB enhanced with new display
                       formats
 NEWS 24  MAR 11   EPFULL backfile enhanced with additional full-text
                       applications and grants
 NEWS 25  MAR 11   ESBIOBASE reloaded and enhanced
 NEWS 26  MAR 20   CAS databases on STN enhanced with new super role
                       for nanomaterial substances
 NEWS 27  MAR 23   CA/CAplus enhanced with more than 250,000 patent
                       equivalents from China


 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
                 AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.


 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
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 NEWS IPC8      For general information regarding STN implementation of IPC 8

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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 00:15:20 ON 30 MAR 2009

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  0.22          0.22


INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
       AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
       DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 00:15:36 ON 30 MAR 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s Dehalococcoides same electron(p)acceptor? and (trans-dichloroethene or vinyl)
          0*   FILE ADISNEWS
          0*   FILE ANTE
          0*   FILE AQUALINE
          0*   FILE BIOENG
          0*   FILE BIOTECHABS
          0*   FILE BIOTECHDS
          0*   FILE BIOTECHNO
          0*   FILE CEABA-VTB
          0*   FILE CIN
          0*   FILE FOMAD
          0*   FILE FOREGE
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            0*   FILE FROSTI
            0*   FILE FSTA
            0*   FILE KOSMET
            0*   FILE NTIS
            0*   FILE NUTRACEUT
            0*   FILE PASCAL
            0*   FILE PHARMAML
  51 FILES SEARCHED...
            0*   FILE WATER


   0 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L1   QUE DEHALOCOCCOIDES SAME ELECTRON(P) ACCEPTOR? AND (TRANS-DICHLOROETHENE O
        R VINYL)

=> d hist

     (FILE 'HOME' ENTERED AT 00:15:20 ON 30 MAR 2009)

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 00:15:36 ON 30 MAR 2009
                 SEA DEHALOCOCCOIDES SAME ELECTRON(P)ACCEPTOR? AND (TRANS-DICHLO
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            0*   FILE ANTE
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            0*   FILE BIOTECHABS
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            0*   FILE NTIS
            0*   FILE NUTRACEUT
            0*   FILE PASCAL
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            0*   FILE WATER
L1               QUE DEHALOCOCCOIDES SAME ELECTRON(P) ACCEPTOR? AND (TRANS-DICHL
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=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                             SINCE FILE      TOTAL
                                                   ENTRY       SESSION
FULL ESTIMATED COST                                 1.36          1.58

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FILE 'HOME' ENTERED AT 14:18:24 ON 17 JUL 2009

=> index bioscience
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COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
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      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:19:18 ON 17 JUL 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s Dehalococcoides and Pinellas group
           1    FILE AGRICOLA
           1    FILE BIOENG
           3    FILE BIOSIS
           2    FILE CABA
           3    FILE CAPLUS
           1    FILE EMBASE
           2    FILE ESBIOBASE
           1    FILE IFIPAT
           2    FILE LIFESCI
           2    FILE MEDLINE
           1    FILE PASCAL
   51 FILES SEARCHED...
           2    FILE SCISEARCH
           5    FILE TOXCENTER
           3    FILE USGENE
           2    FILE USPATFULL

   15 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX

L1    QUE DEHALOCOCCOIDES AND PINELLAS GROUP

=> s L1 and (vinyl chloride or 1,2-dichloroethane)
           1    FILE AGRICOLA
           1    FILE BIOENG
           3    FILE BIOSIS
   13 FILES SEARCHED...
           2    FILE CABA
           3    FILE CAPLUS
           1    FILE EMBASE
           2    FILE ESBIOBASE
   33 FILES SEARCHED...
           1    FILE IFIPAT
           2    FILE LIFESCI
           2    FILE MEDLINE
   44 FILES SEARCHED...
           1    FILE PASCAL
   53 FILES SEARCHED...
           2    FILE SCISEARCH
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          5    FILE TOXCENTER
          3    FILE USGENE
          2    FILE USPATFULL
  61 FILES SEARCHED...
  67 FILES SEARCHED...

   15 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX

L2   QUE L1 AND (VINYL CHLORIDE OR 1,2-DICHLOROETHANE)

=> L2 and dichloroethene
L2 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s L2 and dichloroethene
          1    FILE AGRICOLA
          1    FILE BIOENG
          3    FILE BIOSIS
          2    FILE CABA
  14 FILES SEARCHED...
          3    FILE CAPLUS
          1    FILE EMBASE
          2    FILE ESBIOBASE
  36 FILES SEARCHED...
          1    FILE IFIPAT
          2    FILE LIFESCI
          2    FILE MEDLINE
          1    FILE PASCAL
  47 FILES SEARCHED...
          2    FILE SCISEARCH
          5    FILE TOXCENTER
          1    FILE USPATFULL
  62 FILES SEARCHED...

   14 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX

L3   QUE L2 AND DICHLOROETHENE

=> file agricola bioeng biosis caba caplus embase esbiobase ifipat lifesci medline
pascal scisearch toxcenter uspatfull
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY       SESSION
FULL ESTIMATED COST                             11.56         12.00

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=> s l3
   11 FILES SEARCHED...
L4   27 L3

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5   6 DUP REM L4 (21 DUPLICATES REMOVED)

=> d l5 1-6

L5   ANSWER 1 OF 6   IFIPAT   COPYRIGHT 2009 IFI on STN   DUPLICATE 1
AN   11449219   IFIPAT;IFIUDB;IFICDB
TI   Dehalococcoides isolate for bioremediation
IN   Loeffler Frank
PA   Georgia Tech Research Corp (20946)
PI   US 20070099284 A1 20070503
AI   US 2004-559993   20040610
       WO 2004-US19000   20040610
                             20051207 PCT 371 date
                             20051207 PCT 102(e) date
PRAI US 2003-477799P   20030610 (Provisional)
FI   US 20070099284   20070503
DT   Utility; Patent Application - First Publication
FS   CHEMICAL
       APPLICATION
ED   Entered STN: 9 May 2007
       Last Updated on STN: 13 Jun 2007
CLMN 14
GI   3 Figure(s).
      FIG. 1A-C depicts micrographs of isolate BAV1 using (A) epifluorescence
      and (B-C) scanning electron microscopy.
      FIG. 2 depicts Terminal Restriction Fragment Polymorphisms (T-RFLP)

digestion profiles of the PCR-amplified 16S rRNA gene from a culture of
bacterium BAV1.
FIG. 3A-B depicts (A) the increase in 16S rRNA gene copies as determined
by real-time (RTm) PCR (closed circles) during the reductive
dechlorination of VC (closed triangles) to ethene by a culture of
bacterium BAV1, and (b) 16S rRNA gene copies of bacterium BAV1 after
completely dechlorinating different amounts of VC.

L5   ANSWER 2 OF 6 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2009) on STN   DUPLICATE 2
AN   2006:40536 AGRICOLA
DN   IND43784837
TI   Quantitative PCR Confirms Purity of Strain GT, a Novel
      Trichloroethene-to-Ethene-Respiring Dehalococcoides Isolate.
AU   Sung, Youlboong; Ritalahti, Kirsti M.; Apkarian, Robert P.; Loffler, Frank
      E.
AV   DNAL (448.3 Ap5)
SO   Applied and environmental microbiology, 2006 Mar. Vol. 72, no. 3 p.
      1980-1987
      Publisher: American Society for Microbiology
      ISSN: 0099-2240
NTE   Includes references
DT   Article
FS   Other US
LA   English

L5   ANSWER 3 OF 6 CABA COPYRIGHT 2009 CABI on STN   DUPLICATE 3
AN   2005:155952 CABA
DN   20053148062
TI   Isolation and characterization of Dehalococcoides sp. strain
      FL2, a trichloroethene (TCE)- and 1,2-dichloroethene-respiring
      anaerobe
AU   He, J. Z.; Sung, Y. B.; Krajmalnik-Brown, R.; Ritalahti, K. M.; Loffler,
      F. E.
CS   School of Civil and Environmental Engineering, Georgia Institute of
      Technology, Atlanta, Georgia, USA. frank.loeffler@ce.gatech.edu
SO   Environmental Microbiology, (2005) Vol. 7, No. 9, pp. 1442-1450. 38 ref.
      Publisher: Blackwell Publishing. Oxford
      ISSN: 1462-2912
      URL: http://www.blackwell-
      synergy.com/servlet/useragent?func=showIssues&code=emi
      DOI: 10.1111/j.1462-2920.2005.00830.x
CY   United Kingdom
DT   Journal
LA   English
ED   Entered STN: 7 Oct 2005
      Last Updated on STN: 7 Oct 2005

L5   ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 4
AN   2004:1127283 CAPLUS
DN   142:99195
TI   Dehalococcoides isolate for bioremediation
IN   Loeffler, Frank
PA   Georgia Tech Research Corporation, USA
SO   PCT Int. Appl., 27 pp.
      CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
      PATENT NO.   KIND   DATE   APPLICATION NO.   DATE

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PI    WO 2004110933       A2     20041223   WO 2004-US19000            20040610
      WO 2004110933       A3     20050506
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
      US 20070099284      A1     20070503   US 2005-559993             20051207
PRAI  US 2003-477799P     P      20030610
      WO 2004-US19000     W      20040610
RE.CNT  1    THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT


L5    ANSWER 5 OF 6  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
AN    2007:337929  BIOSIS
DN    PREV200700325930
TI    Comparison of dechlorinating enrichment cultures from several PCE/TCE
      contaminated sites.
AU    Scarborough, S. P. [Reprint Author]; Crouch, S. E.; Ladaa, T. I.; Mayer,
      R. E. Jr.
CS    Shaw Environm Inc, Knoxville, TN USA
SO    Abstracts of the General Meeting of the American Society for Microbiology,
      (2004) Vol. 104, pp. 562-563.
      Meeting Info.: 104th General Meeting of the
      American-Society-for-Microbiology. New Orleans, LA, USA. May 23 -27, 2004.
      Amer Soc Microbiol.
      ISSN: 1060-2011.
DT    Conference; (Meeting)
      Conference; Abstract; (Meeting Abstract)
LA    English
ED    Entered STN: 30 May 2007
      Last Updated on STN: 30 May 2007


L5    ANSWER 6 OF 6  BIOSIS  COPYRIGHT (c) 2009 The Thomson Corporation  on STN
      DUPLICATE 5
AN    2003:532385  BIOSIS
DN    PREV200300534302
TI    Isolation of a vinyl chloride-respiring population in
      pure culture.
AU    He, J. [Reprint Author]; Loffler, F. E. [Reprint Author]
CS    Georgia Institute of Technology, Atlanta, GA, USA
SO    Abstracts of the General Meeting of the American Society for Microbiology,
      (2003) Vol. 103, pp. Q-016.
      http://www.asmusa.org/mtgsrc/generalmeeting.htm. cd-rom.
      Meeting Info.: 103rd American Society for Microbiology General Meeting.
      Washington, DC, USA. May 18-22, 2003. American Society for Microbiology.
      ISSN: 1060-2011 (ISSN print).
DT    Conference; (Meeting)
      Conference; Abstract; (Meeting Abstract)
LA    English
ED    Entered STN: 12 Nov 2003
      Last Updated on STN: 12 Nov 2003


=> d l5 6 ab
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AB   About half of the hazardous waste sites on the U.S. Environmental
     Protection Agency's Final National Priority List for 2002 were
     contaminated with tetrachloroethene (PCE) and/or trichloroethene (TCE).
     Dichloroethenes (DCEs) and vinyl chloride (VC) often
     accumulate in contaminated aquifers in which PCE or TCE undergo incomplete
     reductive dechlorination. The accumulation of VC is of particular concern
     because VC is a proven human carcinogen. Organisms capable of using
     polychlorinated ethenes as terminal electron acceptors in their energy
     metabolism (e.g., chloridogenic populations) have been isolated over the
     last few years, however, no VC-respiring isolates have been described. An
     anaerobic VC-respiring population, designated as strain BAV1, was isolated
     from a PCE-to-ethene-dechlorinating microcosm obtained from the Bachman
     Road site, a PCE-contaminated aquifer in Oscoda, MI. 16S rRNA gene
     sequencing placed the isolate in the Pinellas group
     within the Dehalococcoides cluster. Strain BAV1 grew in defined
     mineral salts medium with VC as the only available electron acceptor. VC
     (0.83 mM, nominal concentration) was dechlorinated at rates of up to 57.9
     mumoles/L/d to ethene, which was not further transformed. Hydrogen was
     the required electron donor, and the isolate also dechlorinated vinyl
     bromide, cis-DCE, trans-DCE, 1,1- DCE and 1,2-
     dichloroethane to ethene. cis-DCE, trans-DCE, and 1,1-DCE
     (apprx0.8 mM each) were dechlorinated at rates of up to 61.9, 50.5, and
     56.0 mumoles/L/d, respectively. Dehalococcoides 16S rRNA
     gene-targeted real-time PCR confirmed chloridogenic growth, and
     demonstrated that about twice as much biomass was produced when strain
     BAV1 was grown with cis-DCE compared to growth with VC. This finding
     indicates that the new isolate captures the energy released from both
     reductive dechlorination steps. Strain BAV1 failed to grow with PCE and
     TCE but cometabolized both compounds in the presence of a
     growth-supporting chloroethene. Strain BAV1 is the first isolate using
     the priority pollutant VC as a respiratory electron acceptor, and has
     potential applications in engineered bioremediation approaches.

=> FIL STNGUIDE
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                           ENTRY   SESSION
FULL ESTIMATED COST   51.88   63.88

FILE 'STNGUIDE' ENTERED AT 14:35:09 ON 17 JUL 2009
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 10, 2009 (20090710/UP).

=> d hist

     (FILE 'HOME' ENTERED AT 14:18:24 ON 17 JUL 2009)

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     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:19:18 ON 17 JUL 2009
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               3   FILE BIOSIS

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                    5    FILE TOXCENTER
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                    2    FILE USPATFULL
L1              QUE DEHALOCOCCOIDES AND PINELLAS GROUP
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                SEA L1 AND (VINYL CHLORIDE OR 1,2-DICHLOROETHANE)
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                    1    FILE BIOENG
                    3    FILE BIOSIS
                    2    FILE CABA
                    3    FILE CAPLUS
                    1    FILE EMBASE
                    2    FILE ESBIOBASE
                    1    FILE IFIPAT
                    2    FILE LIFESCI
                    2    FILE MEDLINE
                    1    FILE PASCAL
                    2    FILE SCISEARCH
                    5    FILE TOXCENTER
                    3    FILE USGENE
                    2    FILE USPATFULL
L2              QUE L1 AND (VINYL CHLORIDE OR 1,2-DICHLOROETHANE)
                    ---------
                SEA L2 AND DICHLOROETHENE
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                    1    FILE BIOENG
                    3    FILE BIOSIS
                    2    FILE CABA
                    3    FILE CAPLUS
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                    2    FILE ESBIOBASE
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                    2    FILE LIFESCI
                    2    FILE MEDLINE
                    1    FILE PASCAL
                    2    FILE SCISEARCH
                    5    FILE TOXCENTER
                    1    FILE USPATFULL
L3              QUE L2 AND DICHLOROETHENE
                    ---------


      FILE 'AGRICOLA, BIOENG, BIOSIS, CABA, CAPLUS, EMBASE, ESBIOBASE, IFIPAT,
      LIFESCI, MEDLINE, PASCAL, SCISEARCH, TOXCENTER, USPATFULL' ENTERED AT
      14:29:33 ON 17 JUL 2009
L4          27 S L3
L5           6 DUP REM L4 (21 DUPLICATES REMOVED)

      FILE 'STNGUIDE' ENTERED AT 14:35:09 ON 17 JUL 2009

=> s Dehalococcoides species
            0 DEHALOCOCCOIDES
```

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              5 SPECIES
L6            0 DEHALOCOCCOIDES SPECIES
                (DEHALOCOCCOIDES(W)SPECIES)

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                 ENTRY       SESSION
FULL ESTIMATED COST                              1.26         65.14


INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
      AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:45:54 ON 17 JUL 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s Dehalococcoides and species
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            2    FILE ANTE
           10    FILE AQUALINE
           11    FILE AQUASCI
           40    FILE BIOENG
          190    FILE BIOSIS
           21    FILE BIOTECHABS
           21    FILE BIOTECHDS
           13    FILE BIOTECHNO
           34    FILE CABA
           94    FILE CAPLUS
            7    FILE CEABA-VTB
            1    FILE CONFSCI
            8    FILE DGENE
           14    FILE DISSABS
            1    FILE EMBAL
           44    FILE EMBASE
           47    FILE ESBIOBASE
          144    FILE GENBANK
            4    FILE IFIPAT
           46    FILE LIFESCI
           51    FILE MEDLINE
            1    FILE OCEAN
           43    FILE PASCAL
            1    FILE PROMT
           54    FILE SCISEARCH
          118    FILE TOXCENTER
            5    FILE USGENE
           36    FILE USPATFULL
           12    FILE USPAT2
            8    FILE WATER
      65 FILES SEARCHED...
            2    FILE WPIDS
            2    FILE WPINDEX

   34 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX

L7   QUE DEHALOCOCCOIDES AND SPECIES

=> s l7 and ?remedi?
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           2     FILE WATER
           2     FILE WPIDS
           2     FILE WPINDEX


    27 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L8    QUE L7 AND ?REMEDI?

=> s l8 and chlor?
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           1     FILE ANTE
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         5    FILE BIOTECHNO
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        42    FILE CAPLUS
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   27 FILES HAVE ONE OR MORE ANSWERS,   68 FILES SEARCHED IN STNINDEX


L9   QUE L8 AND CHLOR?


=>
=> d hist


      (FILE 'HOME' ENTERED AT 14:18:24 ON 17 JUL 2009)


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      AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
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                    SEA DEHALOCOCCOIDES AND PINELLAS GROUP
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                    1    FILE AGRICOLA
                    1    FILE BIOENG
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                    2    FILE CABA
                    3    FILE CAPLUS
                    1    FILE EMBASE
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                    2    FILE SCISEARCH
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                    3    FILE USGENE
                    2    FILE USPATFULL
L1                   QUE DEHALOCOCCOIDES AND PINELLAS GROUP
                    ---------
                    SEA L1 AND (VINYL CHLORIDE OR 1,2-DICHLOROETHANE)
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                    1    FILE AGRICOLA
                    1    FILE BIOENG
                    3    FILE BIOSIS
                    2    FILE CABA
                    3    FILE CAPLUS
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                    1    FILE IFIPAT
                    2    FILE LIFESCI
                    2    FILE MEDLINE
                    1    FILE PASCAL
                    2    FILE SCISEARCH
                    5    FILE TOXCENTER
                    3    FILE USGENE
                    2    FILE USPATFULL
L2                   QUE L1 AND (VINYL CHLORIDE OR 1,2-DICHLOROETHANE)
                    ---------
                    SEA L2 AND DICHLOROETHENE
                    ---------
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                    3    FILE BIOSIS
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                    5    FILE TOXCENTER
                    1    FILE USPATFULL
L3                   QUE L2 AND DICHLOROETHENE
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       FILE 'AGRICOLA, BIOENG, BIOSIS, CABA, CAPLUS, EMBASE, ESBIOBASE, IFIPAT,
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       14:29:33 ON 17 JUL 2009
L4           27 S L3
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L5              6 DUP REM L4 (21 DUPLICATES REMOVED)


     FILE 'STNGUIDE' ENTERED AT 14:35:09 ON 17 JUL 2009
L6              0 S DEHALOCOCCOIDES SPECIES

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     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 14:45:54 ON 17 JUL 2009
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           1    FILE ANABSTR
           2    FILE ANTE
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          94    FILE CAPLUS
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           8    FILE DGENE
          14    FILE DISSABS
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          12    FILE USPAT2
           8    FILE WATER
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L7              QUE DEHALOCOCCOIDES AND SPECIES
                ---------
                SEA L7 AND ?REMEDI?
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 10    FILE USPAT2
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  2    FILE WPIDS
  2    FILE WPINDEX
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          SEA L8 AND CHLOR?
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L8

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        0*   FILE VETU
        1    FILE WATER
        2    FILE WPIDS
        2    FILE WPINDEX
L9          QUE L8 AND CHLOR?
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=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                             ENTRY      SESSION
FULL ESTIMATED COST                          22.44        87.58

STN INTERNATIONAL LOGOFF AT 15:05:27 ON 17 JUL 2009
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